

ABSTRACT OF THE DISCLOSURE

TIME BASED ENCRYPTION ALGORITHM

Disclosed is a new encryption algorithm that can be implemented using either software alone, hardware alone or a combination of both. The algorithm uses time based logic to be interfaced with computer electronic codes such as the Binary code to encrypt and decrypt data and files. The algorithm uses time and individual bits to code characters. Thus, the data will be coded as bit-Time Interval-bit. The bits in a byte (that are processed simultaneously as one unit) are separated into individual bits and time intervals are inserted between them. This code will be referred to as the Timary code. The algorithm allows each user to choose his own code and can be used with other encryption systems.